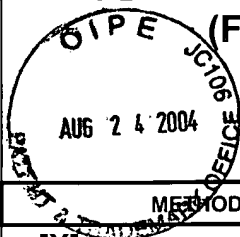


# FEE TRANSMITTAL SHEET (FOR FY 2004)



Complete if Known

Application No. 10/043,682  
Filing Date January 10, 2002  
First Named Inventor Timothy B. Cowles  
Group Art Unit 2824  
Examiner Van Thu T. Nguyen  
Atty. Docket Number 500792.05

## METHOD OF PAYMENT (Check One)

1. ☒ The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. ☒ Check Enclosed

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1001	770	2001	385	<input type="checkbox"/> Utility Filing Fee
1002	340	2002	170	<input type="checkbox"/> Design Filing Fee
1003	530	2003	265	<input type="checkbox"/> Plant Filing Fee
1004	770	2004	385	<input type="checkbox"/> Reissue Filing Fee
1005	160	2005	80	<input type="checkbox"/> Provisional Filing Fee

Subtotal (1) \$0

### 2. EXTRA CLAIM FEES

Current Claims	Prior	Extra	Fee	Fee Paid
Total	- 20	=	x \$	= \$
Ind.	- 3	=	x \$	= \$
Multiple Dependent Claims		x	\$	\$

Subtotal (2) \$0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent Claim
1204	86	2204	43	Reissue independent claims over original patent
1205	18	2205	9	Reissue claims in excess of 20 and over original patent

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - Late filing fee or oath	\$
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	\$
1053	130	1053	130	Non-English specification	\$
1812	2,520	1812	2,520	For Filing a Request for <i>ex parte</i> Reexamination	\$
1804	920	1804	920	Requesting publication of SIR prior to Examiner action	\$
1805	1,840	1805	1,840	Requesting publication of SIR after Examiner action	\$
1251	110	2251	55	Extension for reply within first month	\$
1252	420	2252	210	Extension for reply within 2 <sup>nd</sup> month	\$
1253	950	2253	475	Extension for reply within 3 <sup>rd</sup> month	\$
1254	1,480	2254	740	Extension for reply within 4 <sup>th</sup> month	\$
1255	2,010	2255	1,005	Extension for reply within 5 <sup>th</sup> month	\$
1401	330	2401	165	Notice of Appeal	\$
1402	330	2402	165	Filing a brief in support of an appeal	\$
1403	290	2403	145	Request for oral hearing	\$
1814	110	2814	55	Terminal Disclaimer Fee	\$110
1452	110	2452	55	Petition to revive - unavoidable	\$
1453	1,330	2453	665	Petition to revive - unintentional	\$
1501	1,330	2501	665	Utility/Reissue issue fee	\$
1502	480	2502	240	Design issue fee	\$
1503	640	2503	320	Plant issue fee	\$
1460	130	1460	130	Petitions to the Commissioner	\$
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	\$
1806	180	1806	180	Submission of IDS	\$
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$
1801	770	2801	385	Request for Continued Examination (RCE)	\$

Other fee (specify)

Subtotal (3) \$110

Total Amount of Payment: \$110

## Submitted by:

Name: Edward W. Bulchis

Reg. No.: 26,847

Telephone: (206) 903-8800

Signature: *Edward W. Bulchis*

Date: *August 18, 2004*



## PATENT

I hereby certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 19, 2004  
Date

Asha  
Ayesha Shaikh

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 10/043,682

Confirmation No. : 9115

Applicants : Timothy B. Cowles et al.

Filed : January 10, 2002

Attorney Docket No.: 500792.05

Art Unit : 2824

Customer No. : 27,076

Examiner : Van Thu T. Nguyen

Title : REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND METHOD  
FOR DUAL MODE FULL/REDUCED DENSITY DRAMS

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TERMINAL DISCLAIMER**

Sir:

I, Edward W. Bulchis, represent that I am the attorney of record for the above-identified application. Micron Technology, Inc. ("Micron"), a corporation of the State of Delaware having a place of business 8000 South Federal Way, Boise, Idaho 83716-9632, is the assignee and owner of the entire 100 percent interest in the instant application. Documentary evidence of chain of title from the original owner to Micron has been filed with and recorded by the United States Patent Office at Reel 011902, Frame 0640.

Micron hereby disclaims the terminal part of any patent granted on the above-identified application which would extend beyond the expiration date of the U.S. patents that issue

from copending U.S. Patent Application Nos. 09/803,365, filed March 8, 2001, U.S. Patent Application No. 10/043,462, filed January 10, 2002, U.S. Patent Application No. 10/043,680, filed January 10, 2002, U.S. Patent Application No. 10/043,683, filed January 10, 2002, and U.S. Patent Application No. 10/410,575, filed April 8, 2003, all entitled "REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND METHOD FOR DUAL MODE FULL/REDUCED DENSITY DRAMS"; and U.S. Patent Application Nos. 10/122,943, filed April 11, 2002, entitled "METHOD AND SYSTEM FOR LOW POWER REFRESH OF DYNAMIC RANDOM ACCESS MEMORIES", U.S. Patent Application No. 10/405,069, filed March 31, 2003, entitled "MEMORY DEVICE AND METHOD HAVING REDUCED-POWER SELF-REFRESH MODE", U.S. Patent Application No. 10/039,815, filed October 26, 2001, entitled "MEMORY DEVICE OPERABLE IN EITHER A HIGH-POWER, FULL-PAGE SIZE MODE OR A LOW-POWER, REDUCED-PAGE SIZE MODE", U.S. Patent Application No. 10/119,550, filed April 9, 2002, entitled "METHOD AND SYSTEM FOR DYNAMICALLY OPERATING MEMORY IN A POWER-SAVING ERROR CORRECTION MODE", and U.S. Patent Application No. 10/753,895, filed January 8, 2004, entitled "METHOD AND SYSTEM FOR LOW POWER REFRESH OF DYNAMIC RANDOM ACCESS MEMORIES", and hereby agrees that any patent so granted on the above-identified application shall be enforceable only for and during such period as legal title thereto and to the U.S. patents that issue from copending U.S. Patent Application Nos. 09/803,365, 10/043,462, 10/043,680, 10/043,683, 10/410,575, 10/122,943, 10/405,069, 10/039,815, 10/119,550 and 10/753,895 are commonly owned. This agreement is to run with any patent granted on the above-identified application and is to be binding upon the grantee, its successors and assigns.

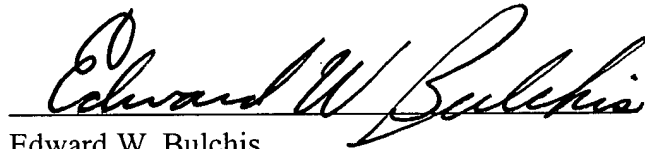
No disclaimer is made for any terminal part of any patent granted on the above-identified application prior to the expiration date of the full statutory term as presently shortened by any terminal disclaimer of the U.S. patents that issue from copending U.S. Patent Application Nos. 09/803,365, 10/043,462, 10/043,680, 10/043,683, 10/410,575, 10/122,943, 10/405,069, 10/039,815, 10/119,550 and 10/753,895 in the event that it later expires for failure to pay a maintenance fee, is held unenforceable, is found invalid, is statutorily disclaimed in whole or terminally disclaimed under 37 C.F.R. § 1.321(a), has all claims canceled by a re-examination

certificate, or is otherwise terminated prior to the expiration of its statutory term as presently shortened by any terminal disclaimer, except for the separation of legal title stated above.

The undersigned represents that he is an attorney of record for Micron and has the authority to execute this document on behalf of Micron. The undersigned further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

Respectfully submitted,

DORSEY & WHITNEY LLP

A handwritten signature in black ink, reading "Edward W. Bulchis", written over a horizontal line.

Edward W. Bulchis  
Registration No. 26,847

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EWB:dms

Enclosures:

Postcard

Check

Fee Transmittal Sheet (+ Copy)

Response

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